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Sequence Listing was accepted.

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Reviewer: Keisha Douglas

Timestamp: [year=2008; month=10; day=23; hr=15; min=31; sec=42; ms=444;  
]

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Application No: 10554291

Version No: 1.1

Input Set:

Output Set:

Started: 2008-10-23 15:27:53.347

Finished: 2008-10-23 15:27:54.625

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 278 ms

Total Warnings: 16

Total Errors: 0

No. of SeqIDs Defined: 16

Actual SeqID Count: 16

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# SEQUENCE LISTING

<110> UNIVERSITA' DEGLI STUDI DI BOLOGNA et al.

<120> METHOD FOR SELECTIVE INHIBITION OF HUMAN N-myc GENE IN N-myc  
EXPRESSING TUMORS THROUGH ANTISENSE AND ANTIGEN PEPTIDO-NUCLEIC ACIDS  
(PNA)

<130> U216412WO9

<140> 10/554,291

<141> 2006-09-18

<150> PCT/IB2004/001297

<151> 2004-04-29

<150> IT MI2003A000860

<151> 2003-04-29

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense PNA that is complementary to only one sequence in 5'-UT  
R region of N-myc gene (support at page 6, lines 17-20)

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tccaccacgac gcgtcc

16

<210> 2

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> mutated PNA containing the substitution of three bases (support a  
t page 6, lines 23-25)

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16

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<211> 16

<212> DNA

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<223> sense antigen PNA sequence which is complementary to a sequence o  
f exon 2 N-myc gene (support at page 8, lines 14-19)

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 atgccgggca tgatct 16

<210> 4  
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 <213> Artificial Sequence

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 <223> antisense antigen PNA sequence which is complementary to a sequence of exon 2 N-myc gene (support at page 8, lines 14-19)

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<210> 5  
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Pro Lys Lys Lys Arg Lys Val  
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<220>  
<221> misc\_feature  
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Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys  
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<210> 10  
<211> 24  
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<220>  
<223> transportan carrier protein (support at page 7, lines 9-10)

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Ala Ala Leu Ala Lys Lys Ile Leu  
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page 7, lines 11-12)

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<220>  
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Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln  
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<210> 13  
<211> 11  
<212> PRT  
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<223> TAT carrier protein (support at page 7, lines 15-16)  
  
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Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg  
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Met Ser Val Leu Thr Pro Leu Leu Leu Arg Gly Leu Thr Gly Ser Ala  
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Arg Arg Leu Pro Val Pro Arg Ala Lys Ile His Ser Leu  
20 25

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Lys Phe Phe Lys Phe Phe Lys Phe Phe Lys  
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<212> PRT

<213> Unknown

<220>

<223> carrier peptide sequence (support at page 7, lines 17-19, 22)

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Lys Lys Lys Lys  
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